

Application No. 10/605,858
Docket No. 132855
Amendment dated November 26, 2004
Reply to Office Action of August 26, 2004

REMARKS

In the Office Action, the Examiner reviewed claims 1-20 of the above-identified US Patent Application, with the result that claims 1-5, 7, 9, 10, and 12 were rejected under 35 USC §12, claims 6 and 11 were rejected under 35 USC §103, claims 13-20 were allowed, and claim 8 (which depends from claim 1) was deemed to recite allowable subject matter. In response, Applicants have amended the claims as set forth above. More particularly:

Dependent claim 8 has been canceled (without prejudice to Applicants) and its limitations incorporated into its parent claim 1 pursuant to the Examiner's conclusion that claim 8 recites allowable subject matter. As such, independent claim 1 and its remaining dependent claims 2-7 and 9-12 are believed to be allowable over the prior art of record.

New independent claim 21 has been presented that is identical to claim 1 as filed except for incorporating the additional requirements that the activator is first dissolved in the solvent to form an activator solution, after which the particulate filler and particulate donor material are mixed with the activator solution to form the adhesive mixture. Support for this limitation can be found in Applicants' specification in the first two sentences of paragraph [0027].

New dependent claims 22-30 depend from new independent claim 21, and recite the same limitations as original claims 2-6 and 8-11 as filed.

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Applicants believe that the above amendments do not present new matter.

Favorable reconsideration and allowance of remaining claims 1-7 and 9-20 and new claims 21-30 are respectfully requested in view of the above amendments and the following remarks.

Prior Art Rejections

The Examiner rejected independent claim 1 and its dependent claims 2-7 and 9-12 under 35 USC §102 or 103 in view of U.S. Patent No. 5,997,604 to Rafferty et al. (Rafferty), but deemed dependent claim 8 to recite allowable subject matter. As noted above, Applicants have amended independent claim 1 to incorporate all of the limitations of dependent claim 8. Applicants therefore respectfully request withdrawal of the rejections of claims 1-7 and 9-12 under 35 USC §102 and 103.

New Claims 21-30

New independent claim 21 requires the step of dissolving an activator in a solvent to form an activator solution, after which the particulate filler and particulate donor material are mixed with the activator solution to form the adhesive mixture.

The Examiner cited Rafferty as teaching "a metalide coating system 15 which comprises a paste binder in combination with powdered metal alloy, a halogen source as an activator which reacts with the metal of the meal alloy, and a filler."

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Rafferty was further cited as teaching that the metalide coating system 15 can be in the form of a tape, slurry, or paste, "the binder may be in the form of a paste, which necessarily comprises some solvent," and "the particles of the metalide system (activator particles, filler particles, and metal alloy particles) are necessarily dissolved in the solvent used to form the paste."

While Rafferty's process might result in some activator particles being partially dissolved in the binder's solvent if the solvent is of a type capable of dissolving the activator particles, Applicants do not believe that the activator particles would be necessarily entirely dissolved in the binder solvent. In any event, nowhere does Rafferty teach or even suggest dissolving the activator particles to form a solution into which Rafferty's powdered metal alloy, filler, and binder are mixed to form a tape, slurry, or paste. Instead, any solvent used by Rafferty is first required to be mixed with Rafferty's binder to render the binder capable of adhering together the solid components of Rafferty's tape, slurry, or paste. Therefore, Applicants believe that Rafferty does not anticipate or obviate new claims 21-30, and respectfully request their allowance.

Closing

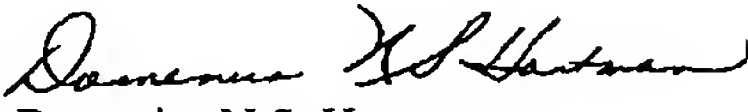
In view of the above, Applicants believe that all rejections to their claims have been overcome, and that the claims define patentable novelty over all the references, alone or in combination, of record. It is therefore respectfully requested that

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this patent application be given favorable reconsideration.

Should the Examiner have any questions with respect to any matter now of record, Applicants' representative may be reached at (219) 462-4999.

Respectfully submitted,

By 
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November 26, 2004
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Attachment: Fee Transmittal form

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for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.


☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**180.00**

Complete If Known

Application Number	10/605,858
Filing Date	October 31, 2003
First Named Inventor	Park
Examiner Name	Kirsten C. Jolley
Art. Unit	1762
Attorney Docket No.	132855

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<input type="checkbox"/> Check	<input type="checkbox"/> Credit card	3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Deposit Account		Large Entity Small Entity	
Deposit Account Number	07-0565		
Deposit Account Name	General Electric Company		
Title Director is authorized to: (check all that apply)			
<input checked="" type="checkbox"/> Charge fee(s) indicated below			
<input checked="" type="checkbox"/> Credit any overpayments			
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s)			
<input type="checkbox"/> Charge fee(s) indicated below, except for this filing fee to the above identified deposit account.			
FEE CALCULATION			
1. BASIC FILING FEE			
Large Entity Small Entity			
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			
Total Claims: 30			
Independent Claims: 3			
Multiple Dependent:			
Extra Claims Fee from below			
20 = 10 X 18 = 180			
3 = 0 X 86 = 0			
SUBTOTAL (2)			(\$) 180.00
*For number previously paid, if greater, For Reissues, see above			
4. OTHER FEES (Specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3)			(\$) 0.00
SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	William Scott Andes	Registration No.	38,682
Signature		Telephone	513/243-5955
		Date	November 26, 2004

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